

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SG2004/000395

A. CLASSIFICATION OF SUBJECT MATTER Int. Cl. ⁷ : G01L 9/12, 9/00 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI: annulus, arch+, between, boss, cantilever+, capacit+, center, central+, centre, compression, contact+, curved, curving, deflect+, diaphragm?, etch+, flex+, g011-009/00/ic, g011-009/12/ic, gage, gauge, intermediate, load+, membrane?, mems, micro+, microcapacit+, middle, pillar, plate, point, post, pressure, ring, sens+, strain, tension, transducer, transmit+		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,472,244 B1 (FERRARI et al.) 29 October 2002. Abstract; figure 10.	
A	US 6,006,607 A (BRYZEK et al.) 28 December 1999. Abstract; figure 2.	
A	US 5,936,164 A (SPARKS et al.) 10 August 1999. Abstract; figure 5.	
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 11 February 2005		Date of mailing of the international search report 15 FEB 2005
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer RAJEEV DESHMUKH Telephone No : (02) 6283 2145

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 197 40 244 A1 (BETHE) 26 February 1998. Abstract; figure 1.	14
X	US 5,163,463 A (GASSMAN et al.) 17 November 1992. Column 7, lines 35-59; figures 5-7.	
A	US 5,146,787 A (THOMAS et al.) 15 September 1992. Abstract; figure 1.	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG2004/000395

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	6472244	CN	1190788	EP	0822579	EP	0890998
		JP	10163168	JP	11142270		
US	6006607	WO	0012989				
US	5936164						
DE	19740244						
US	5163463	BR	9103087	EP	0467873	JP	6088760
		US	5265637	US	5381817		
US	5146787	EP	0467811	FR	2664979	JP	4233280
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							

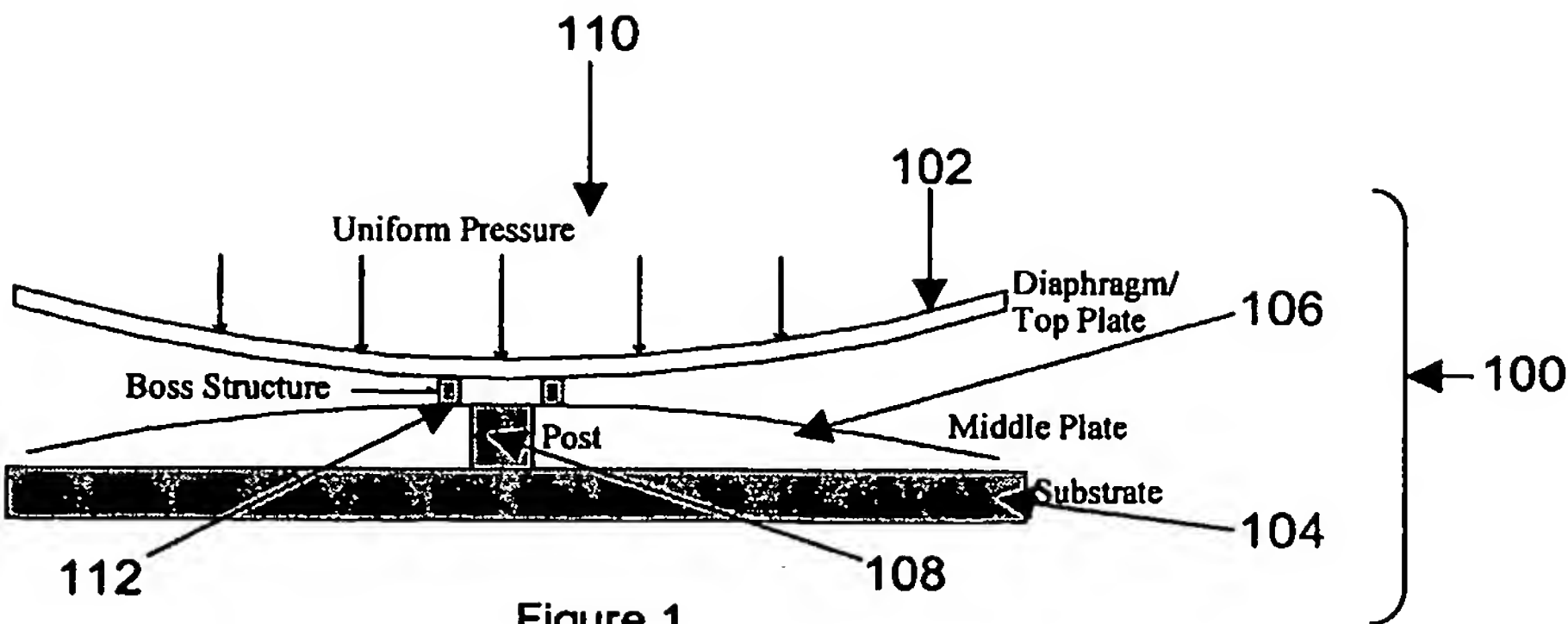


Figure 1

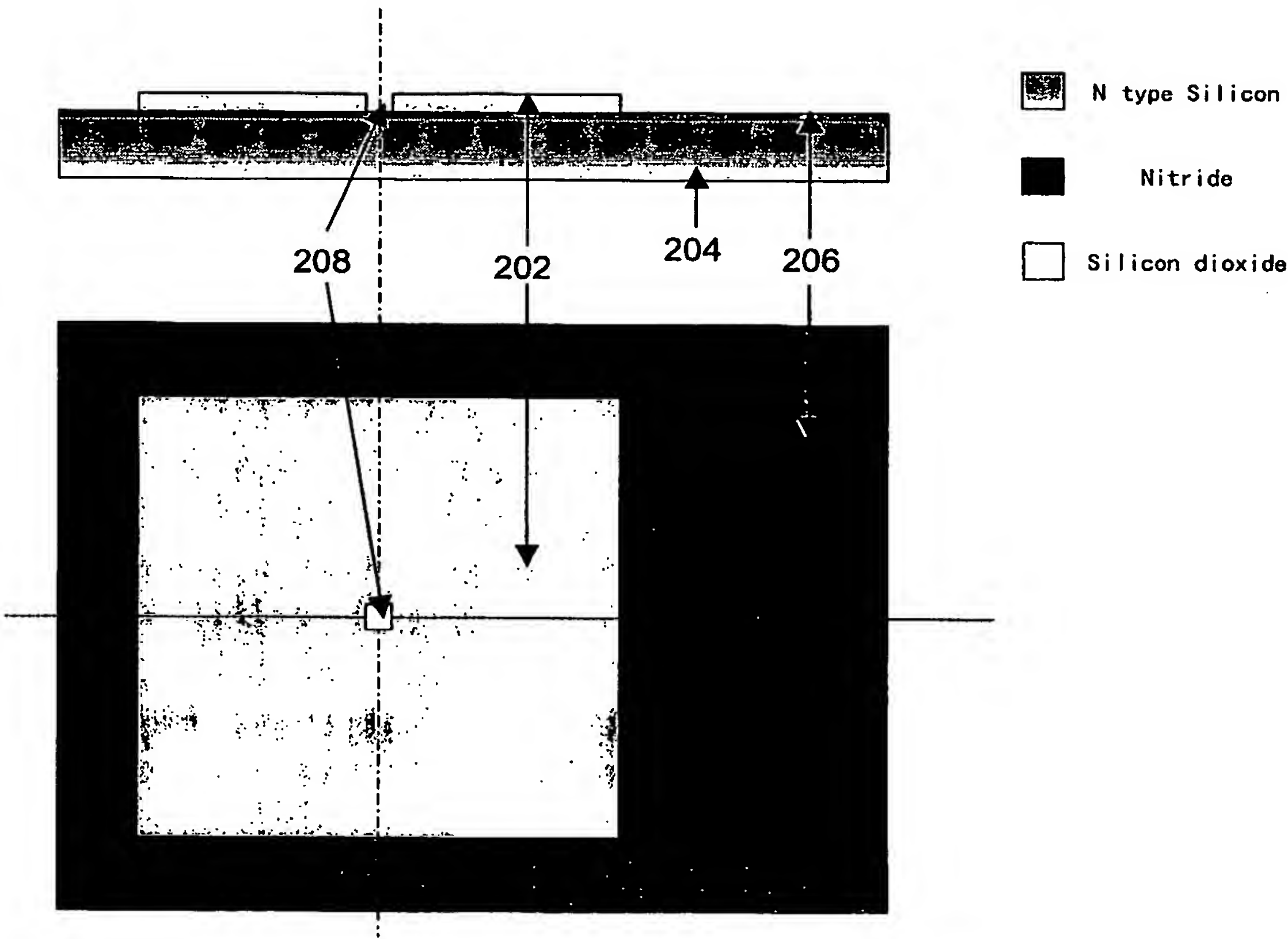


Figure 2

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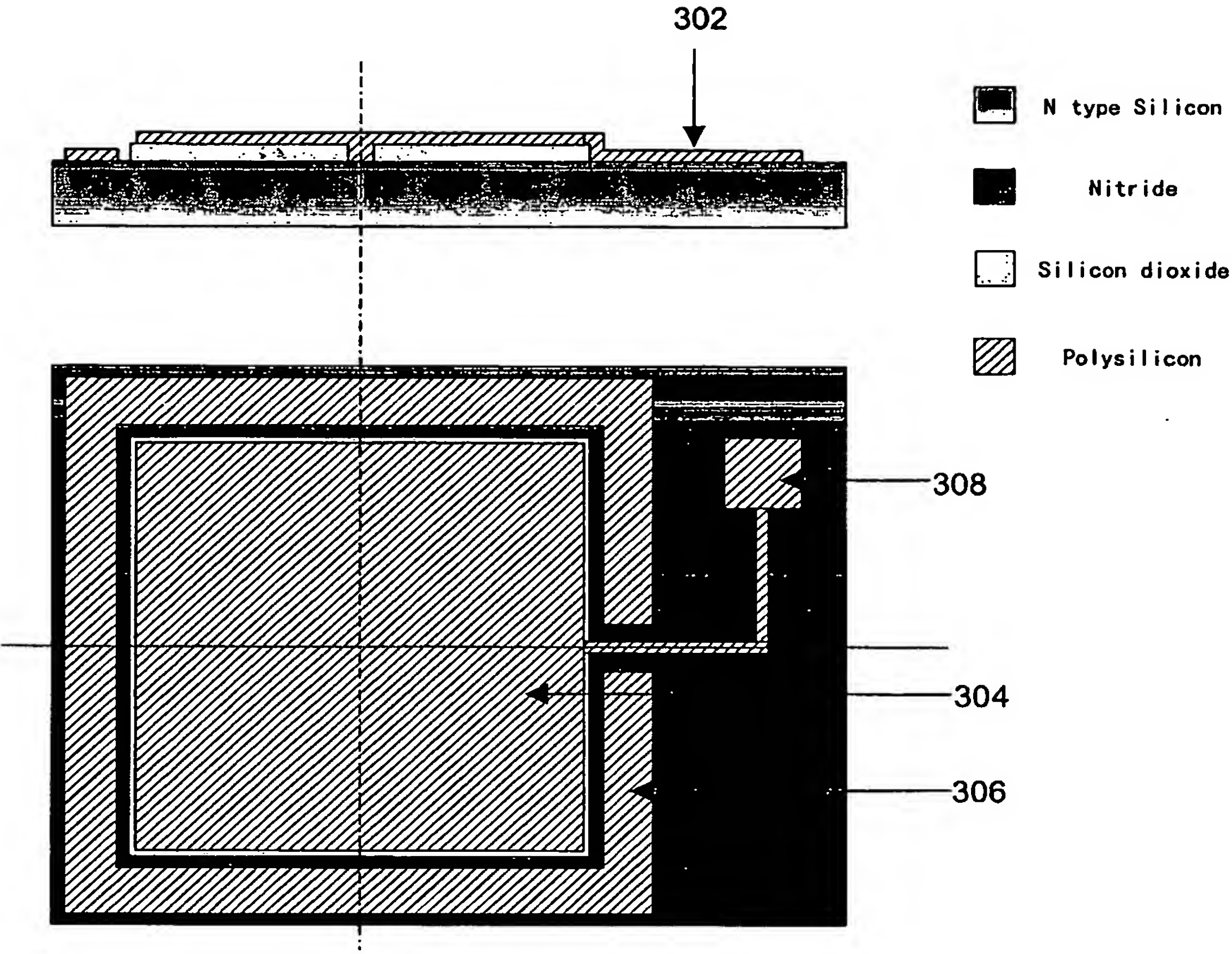


Figure 3

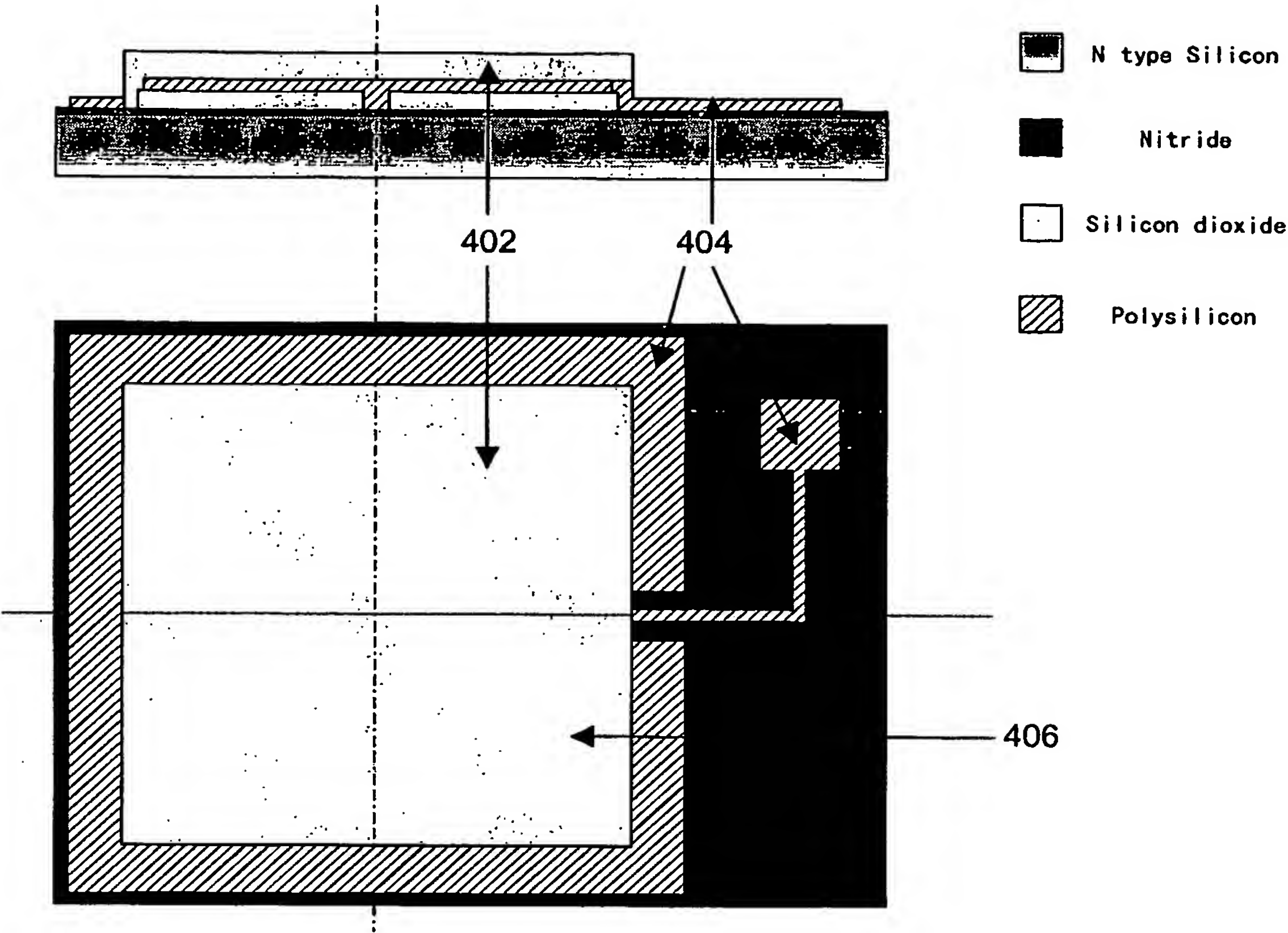


Figure 4

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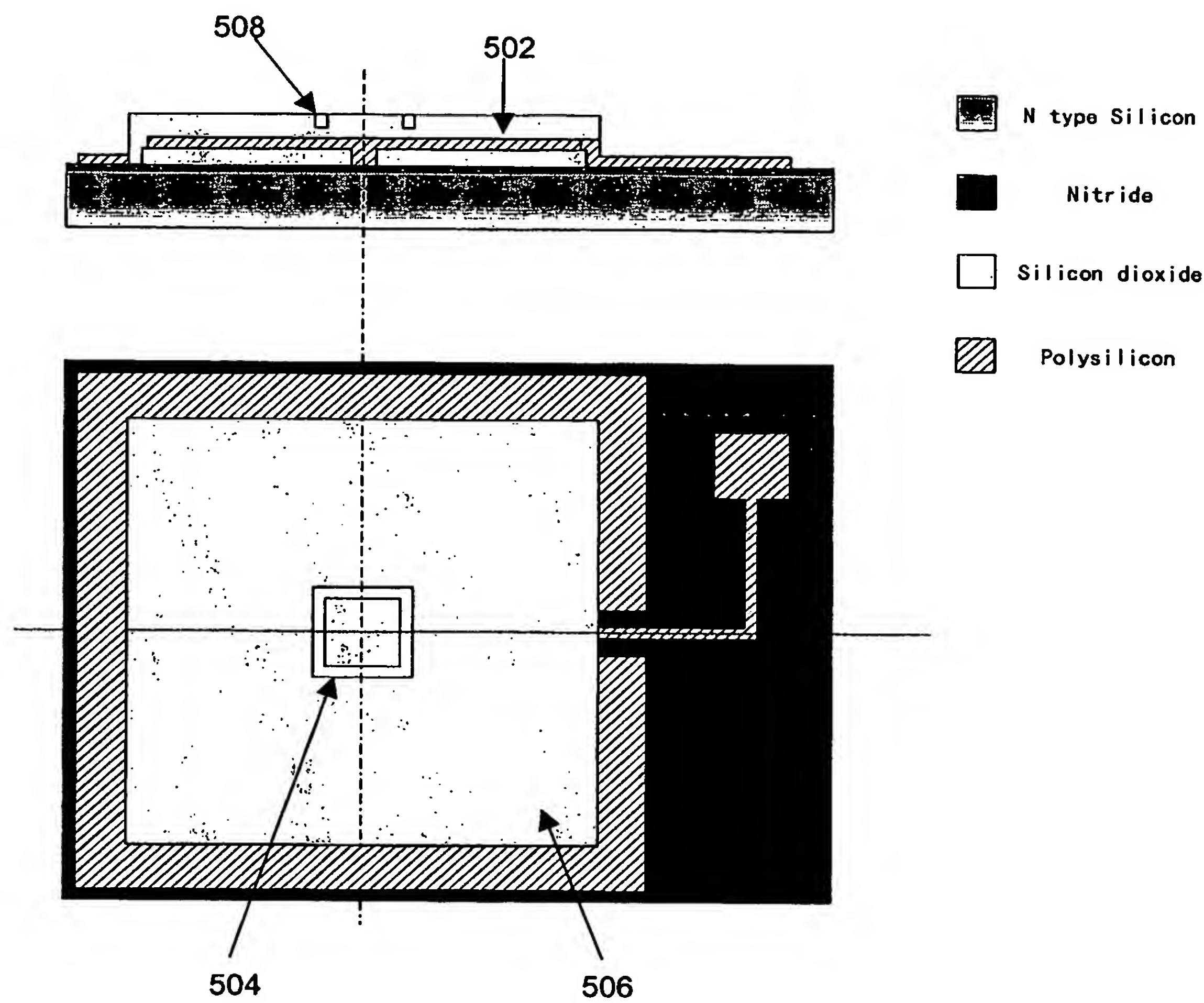


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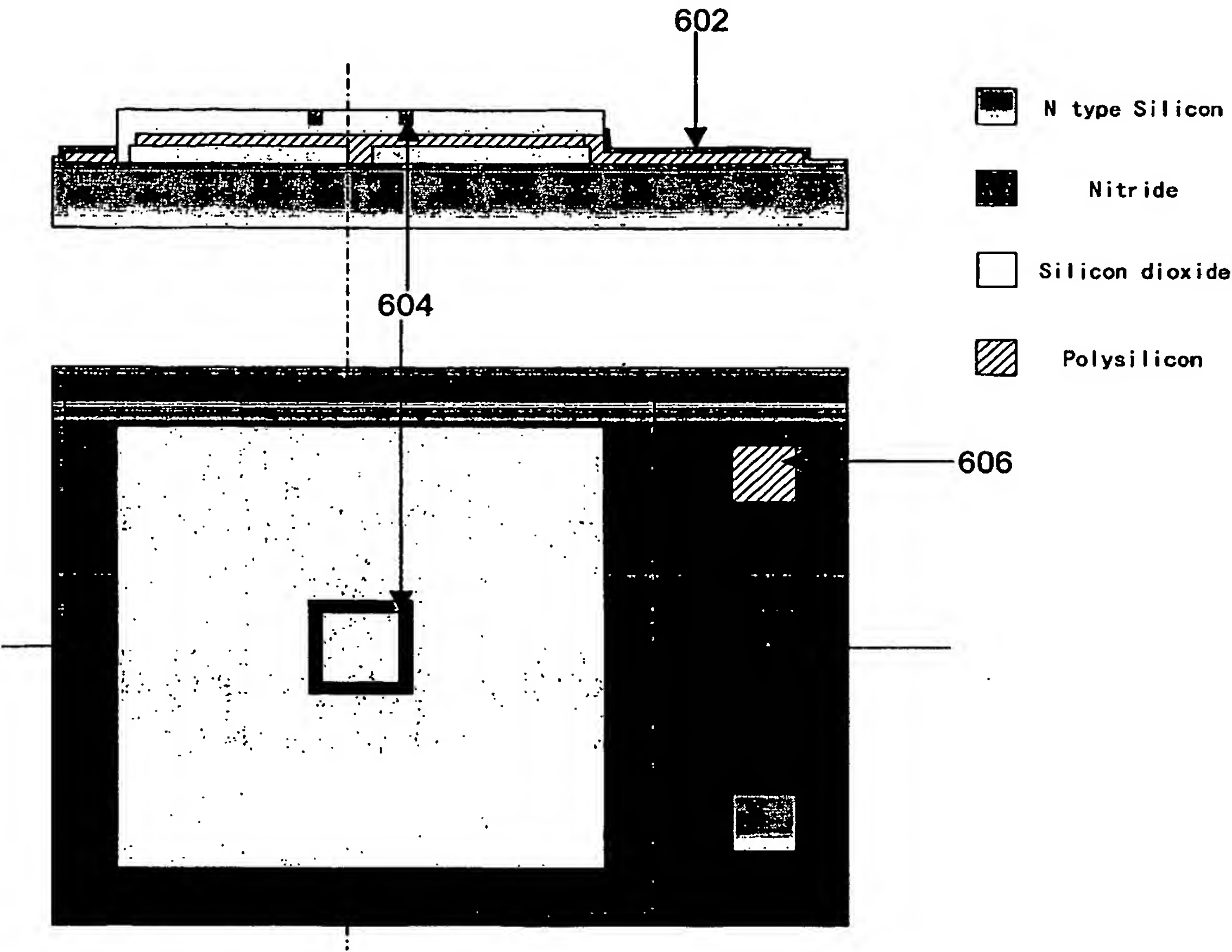


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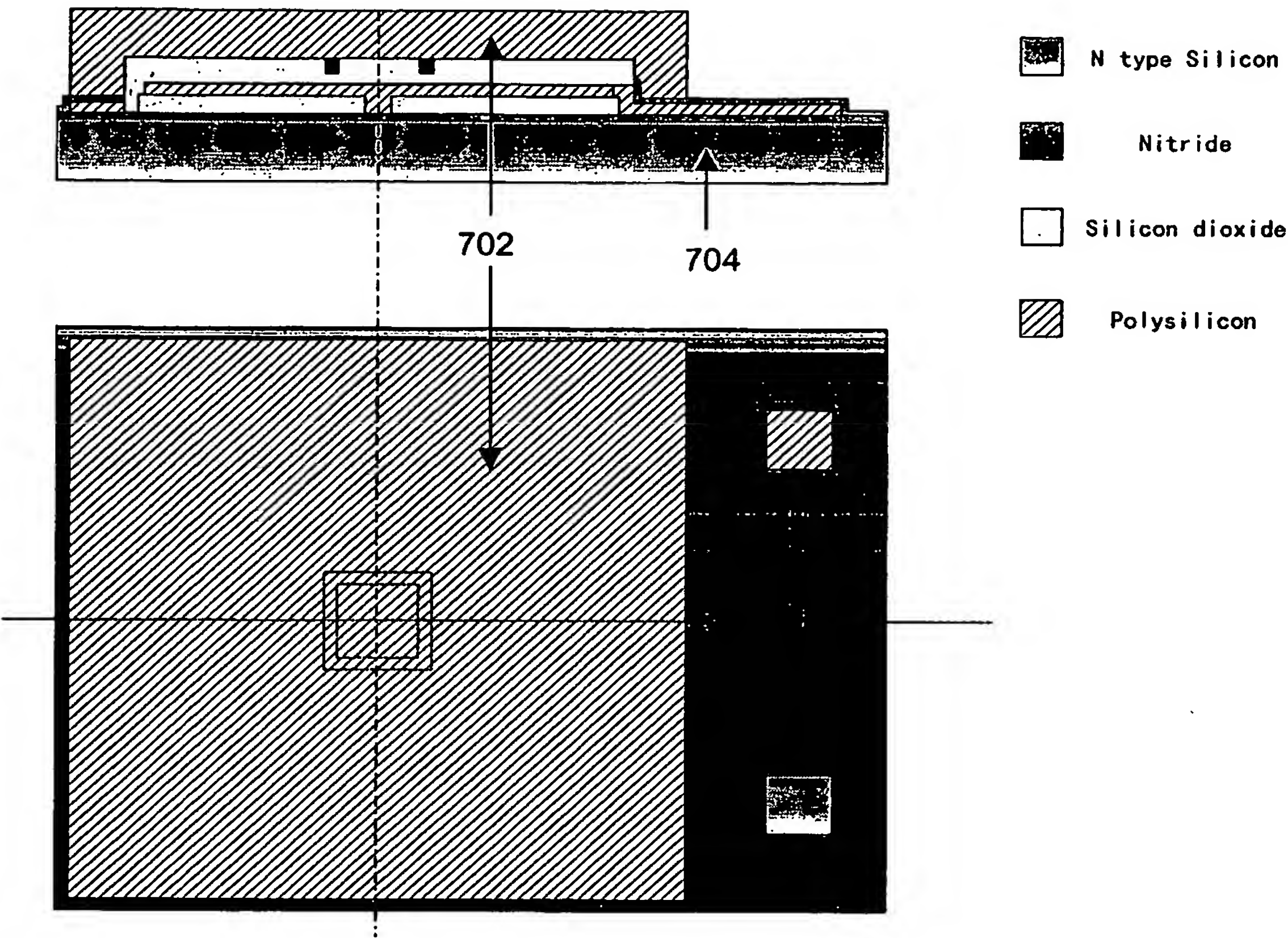


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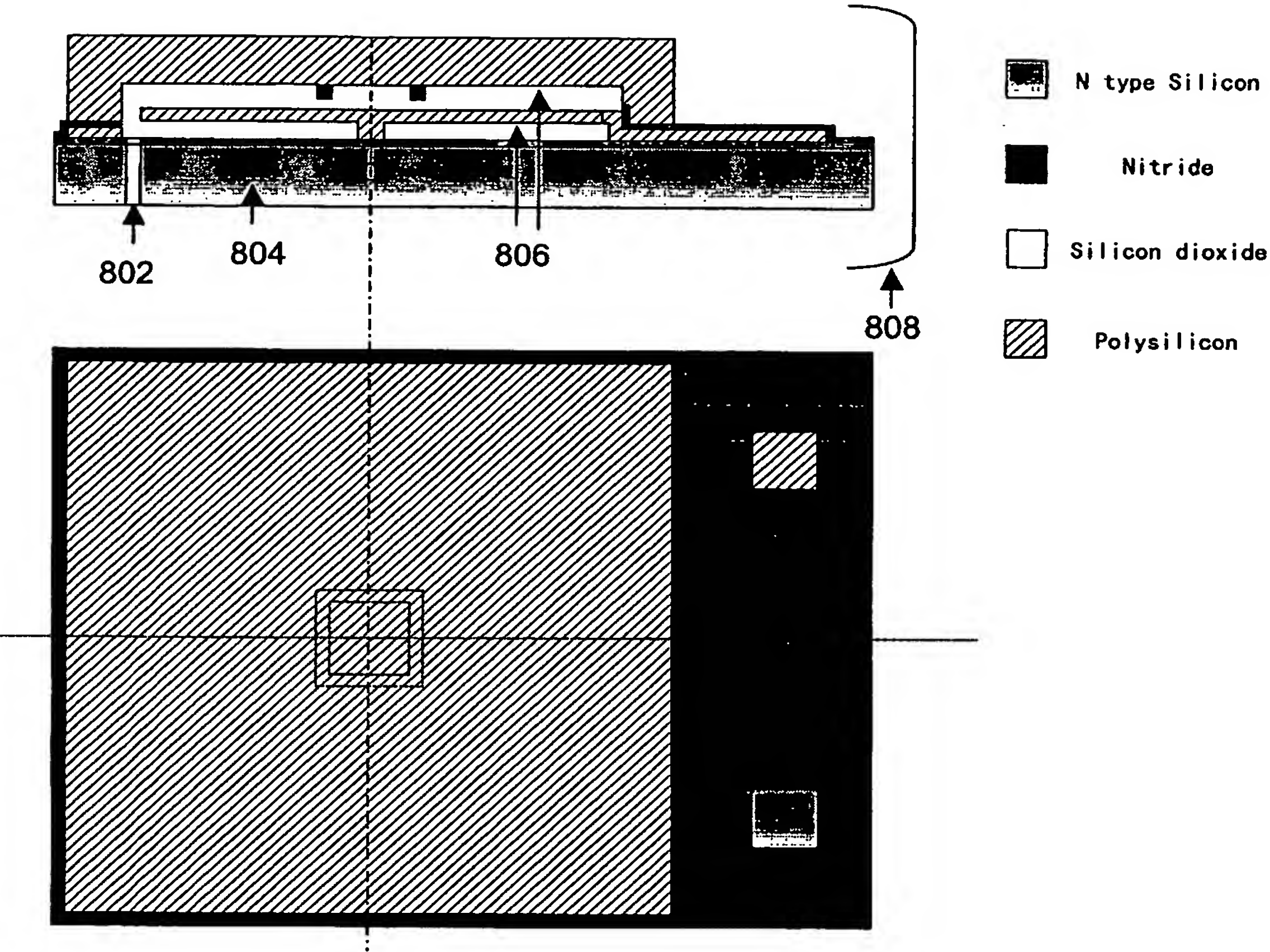


Figure 8

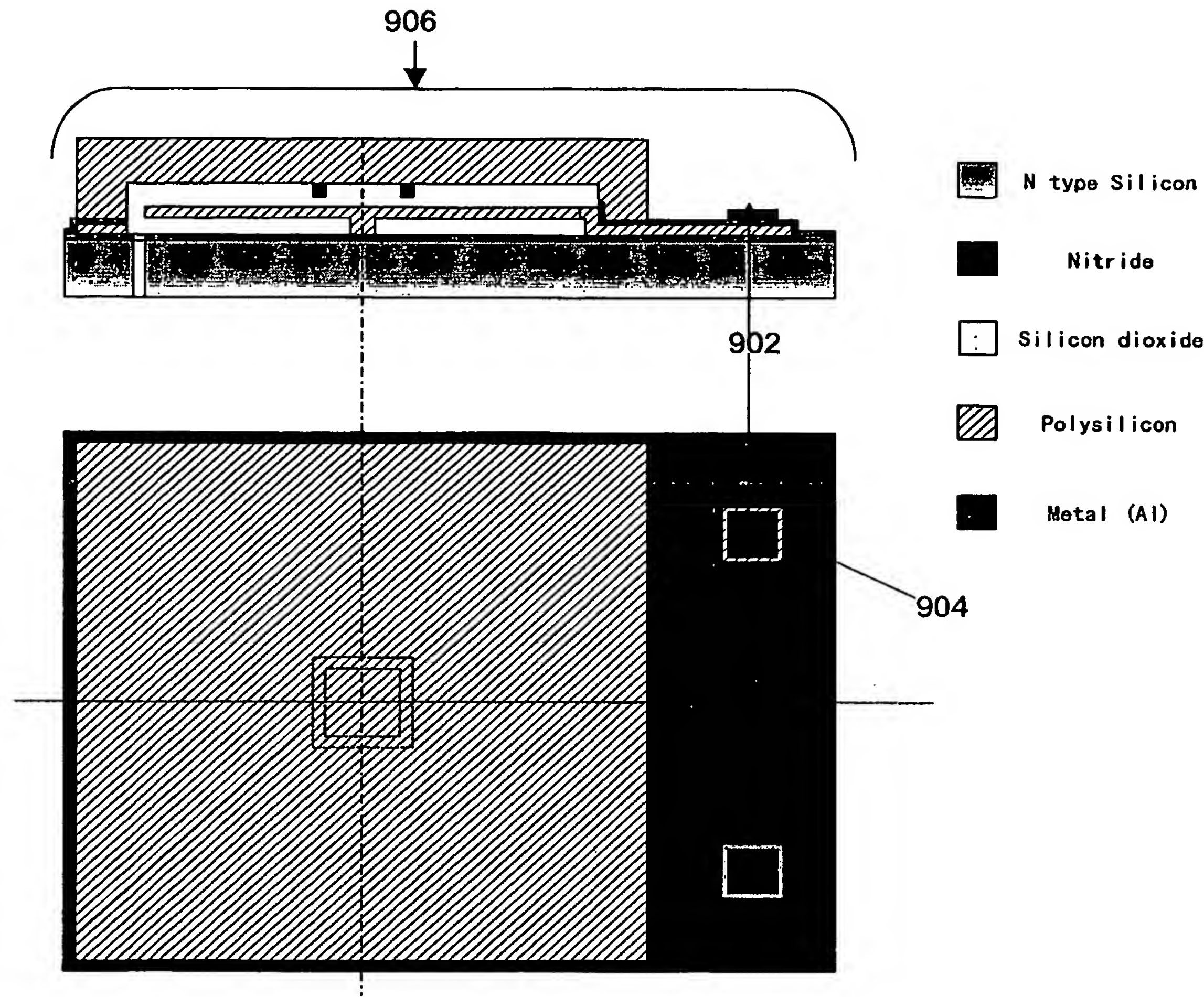


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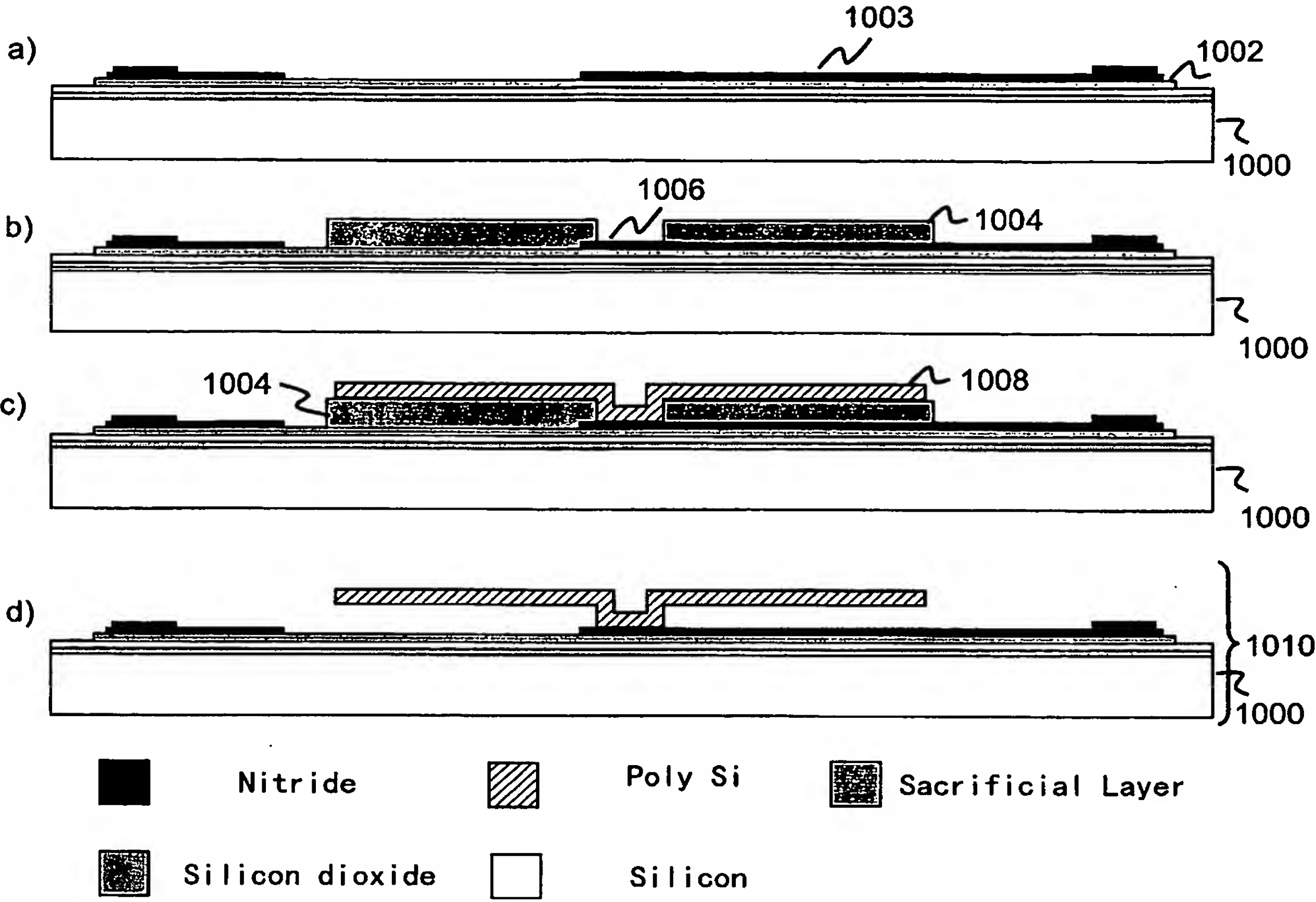


Figure 10

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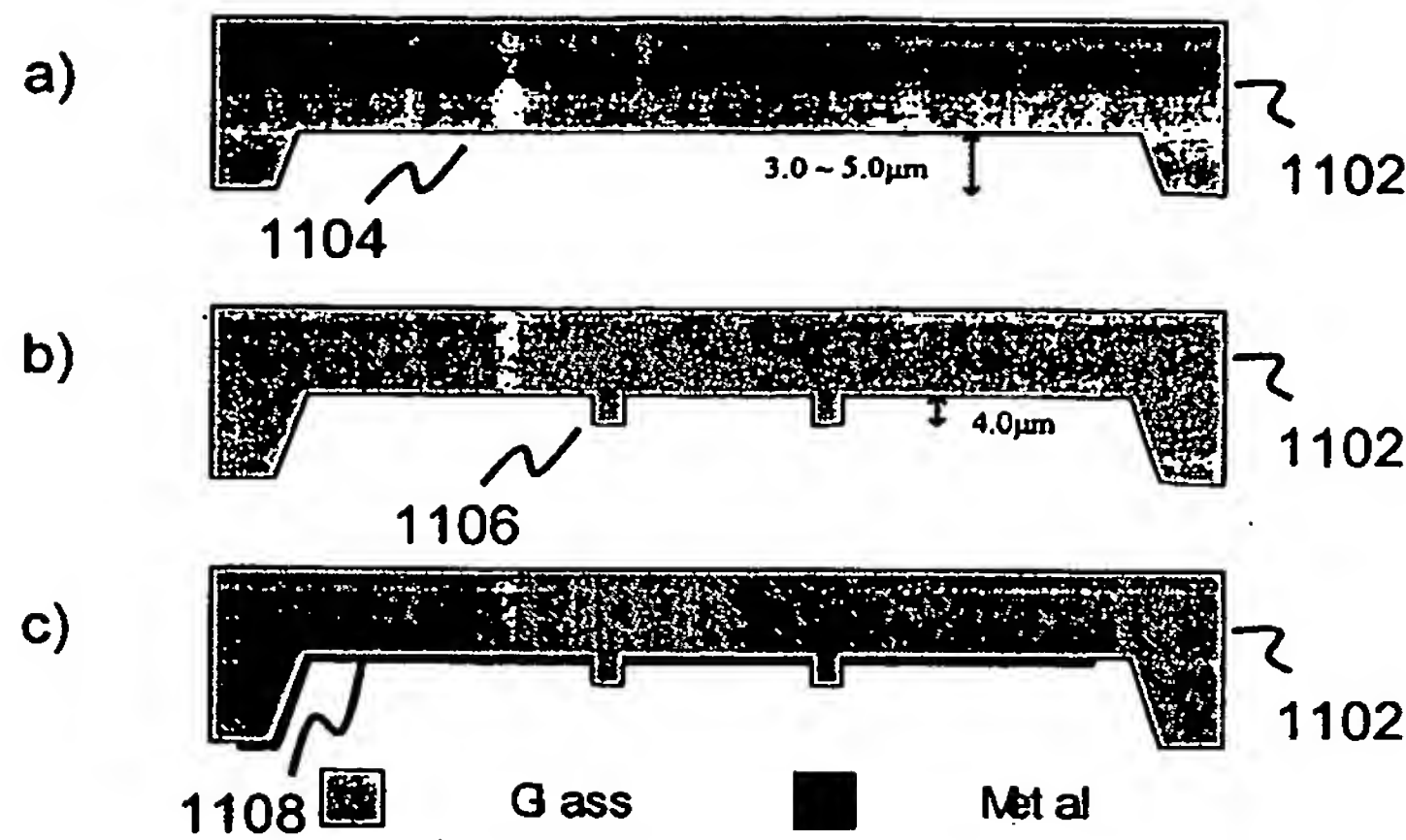


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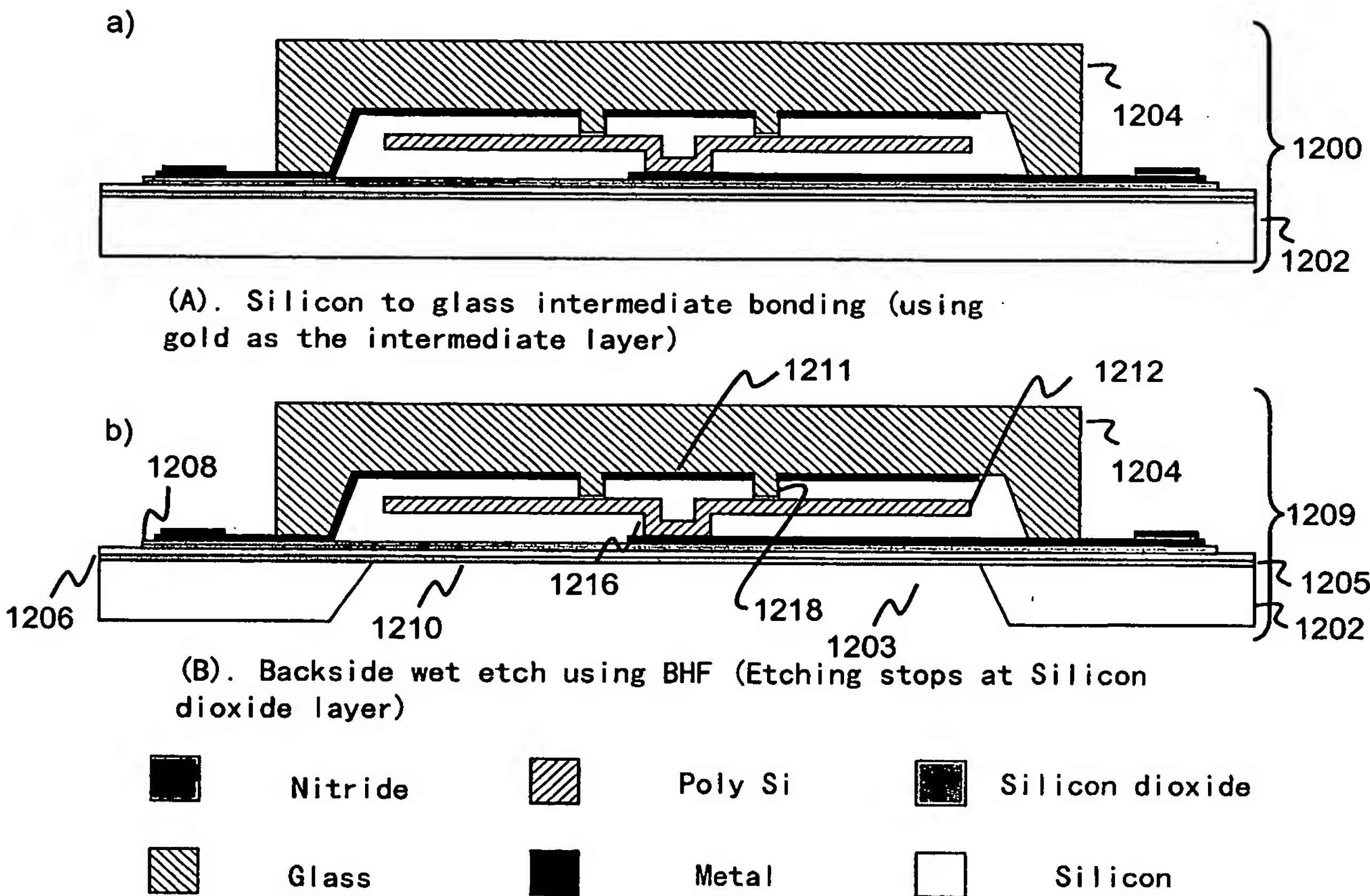


Figure 12

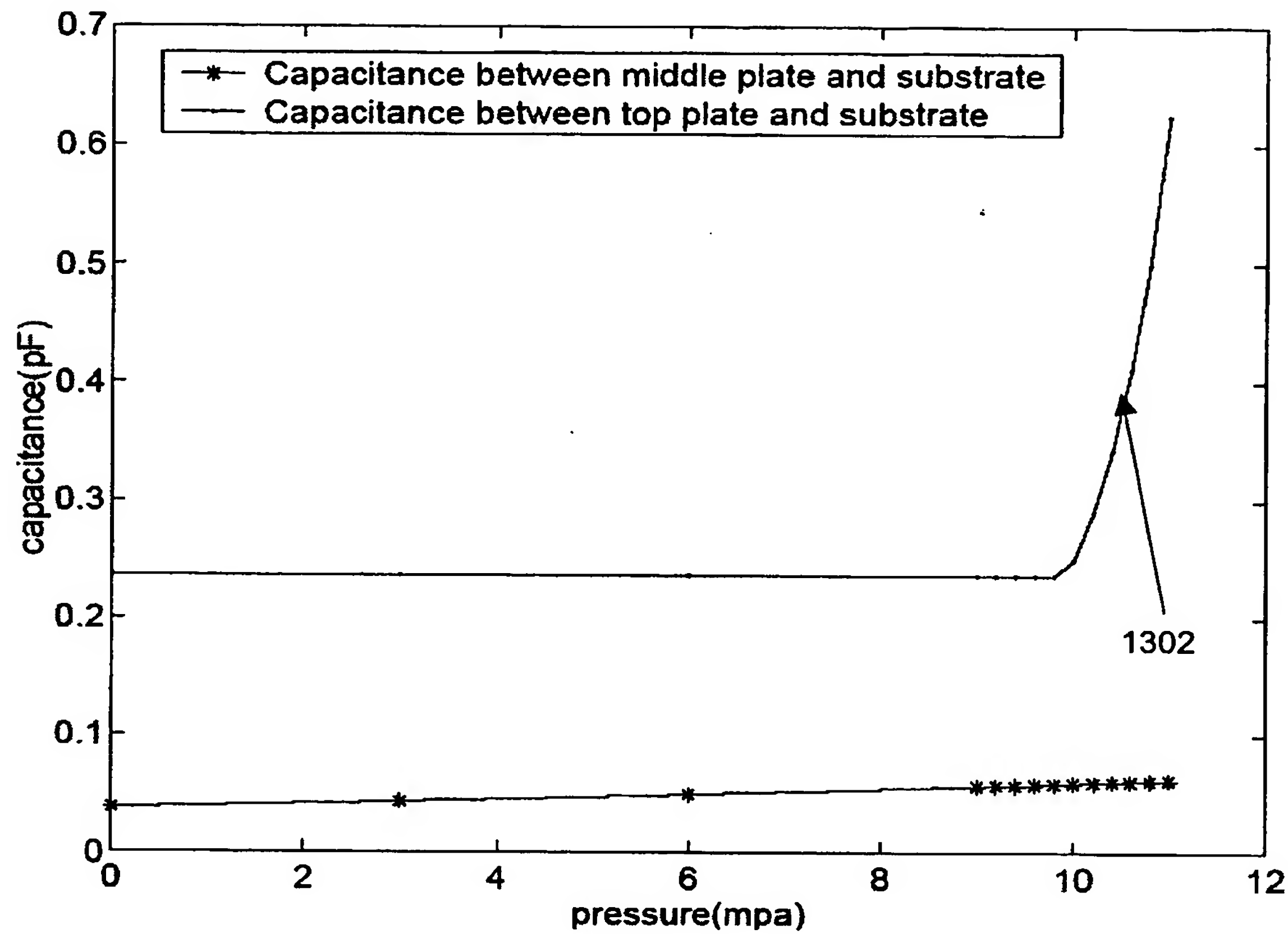


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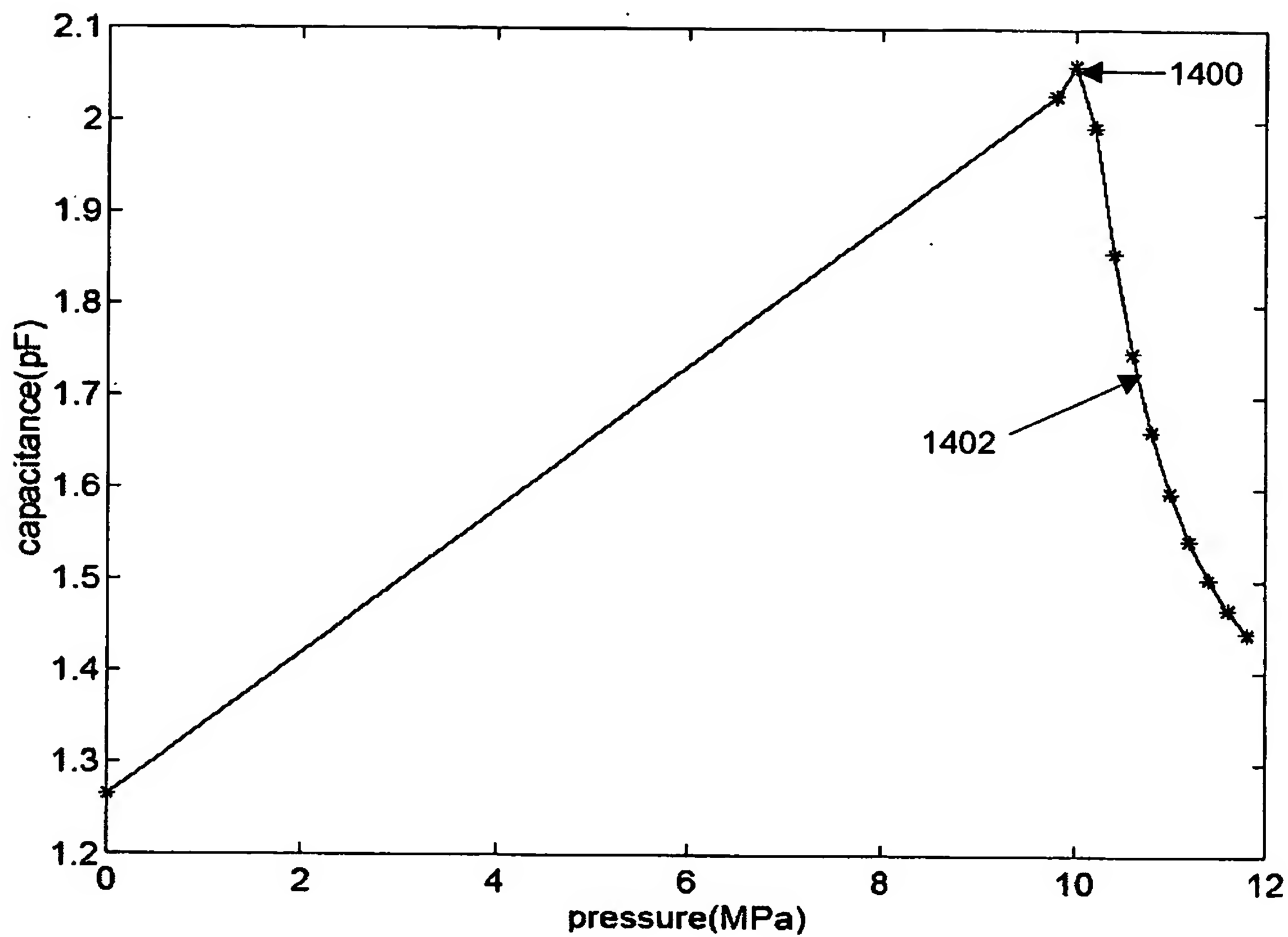


Figure 14

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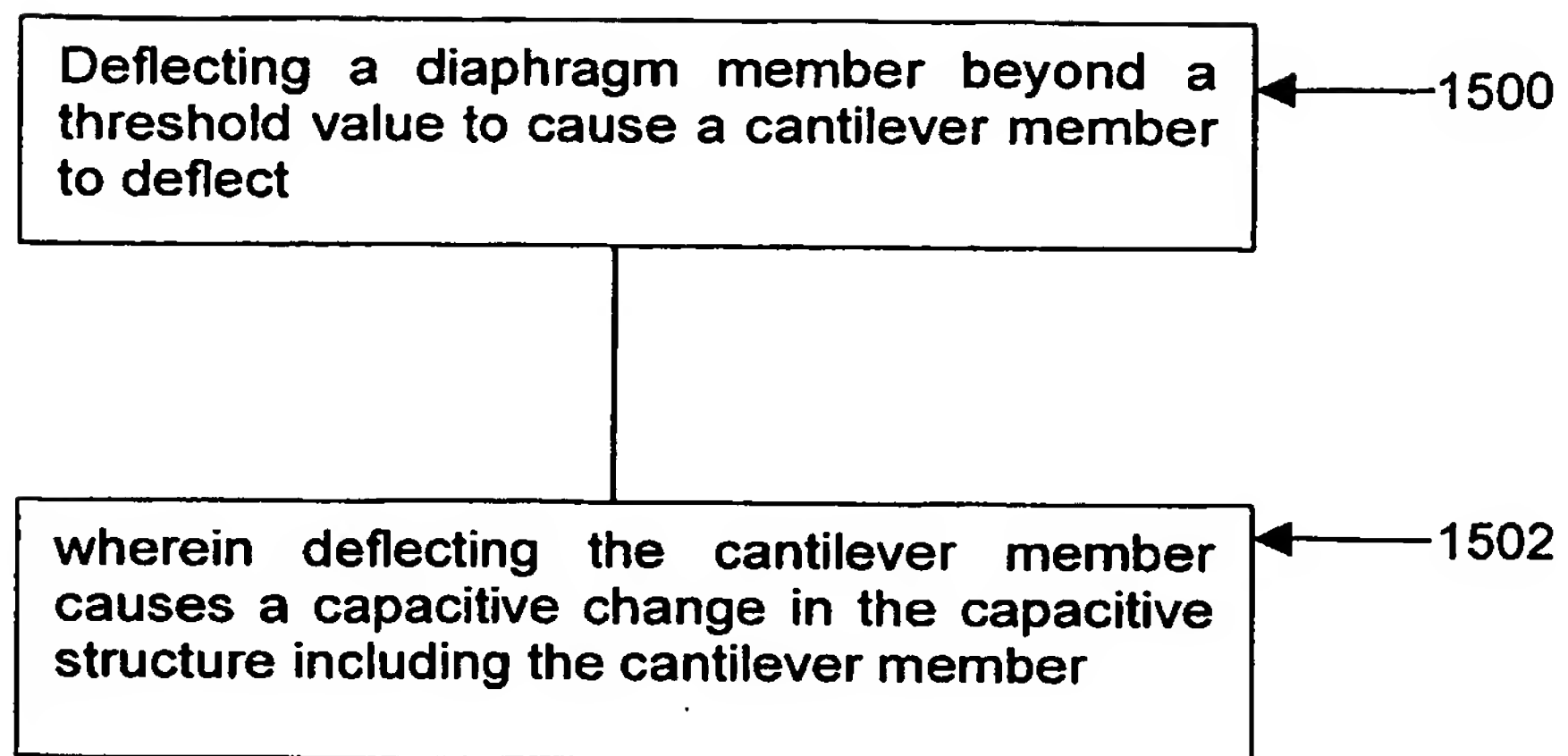


Figure 15

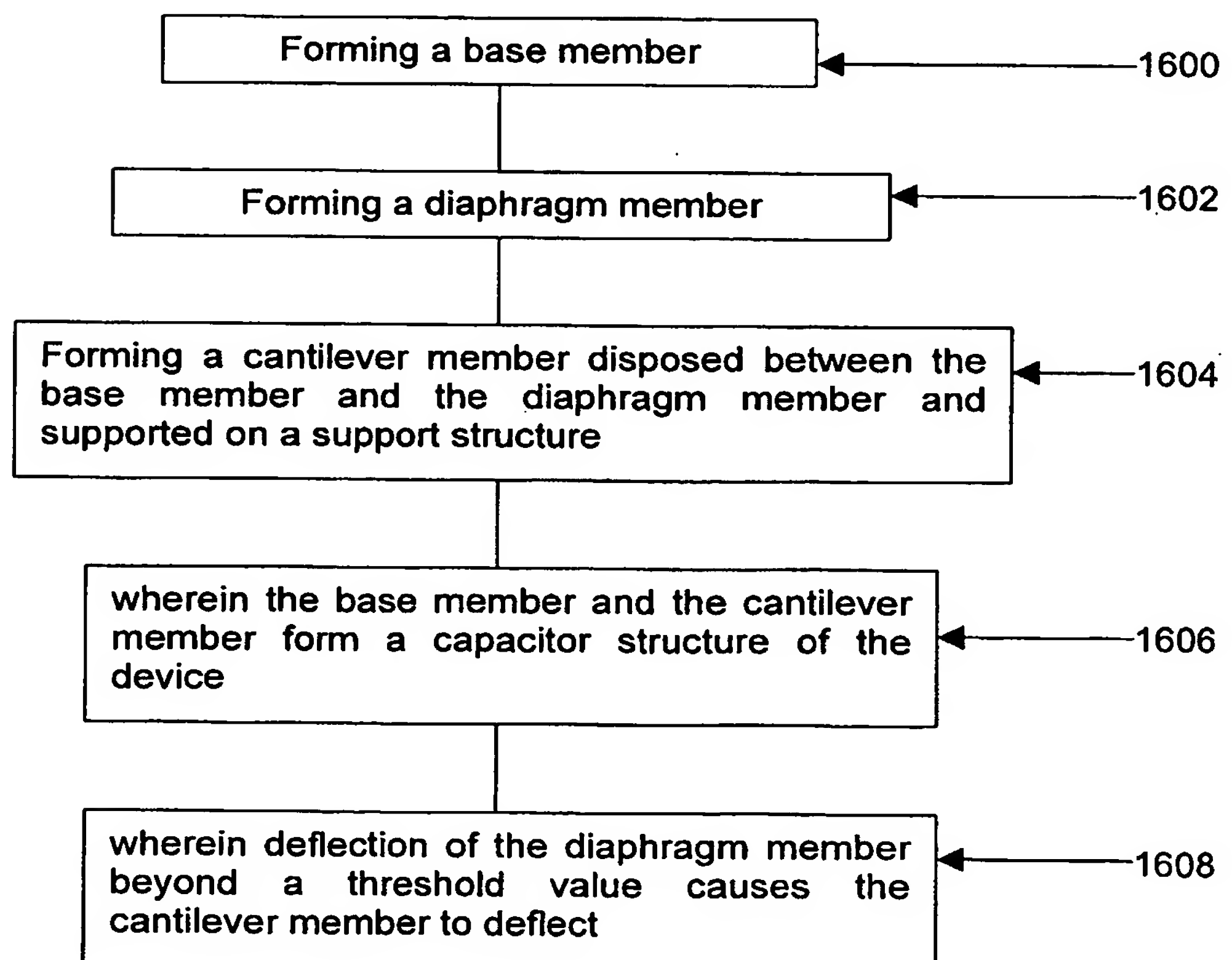


Figure 16

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